U.S. DEPARTMENT OF LABOR Occupational Safety and Health Administration

Form Approved OMB No. 44-R1387 DMS 1908

MATERIAL SAFETY DATA SHEET

PENETRA

Required under USDL Safety and Health Regulations for Ship Repairing, Shipbuilding, and Shipbreeking (29 CFR 1915, 1916, 1917)

LIQUID SYSTEMS

		SECT	2011			
MANUFACTURER'S NAME		3501	ION I			
MAGNAFLUX CORPORATION (212) 967 9000					NE NO.	
ADDRESS (Number, Street, City, State, and ZIP Co. 7300 West Lawrence Avenue, C.	ode)	so Illia	(312) 867-8000			
CHEMICAL NAME AND SYNONYMS	HICA	go, iiiin	TRADE NAME AND SYNONYMS			
CHEMICAL FAMILY			ZL-54 Zyglo Penetrant			
	-	,	FORMOLA	•		
	1					
	· III •	HAZAF	RDOUS INGREDIENTS			
PAINTS, PRESERVATIVES, & SOLVENTS	×	TLV (United	ALLOYS AND METALLIC COATINGS	×	TLV (Units)	
PIGMENTS			BASE METAL			
CATALYST			ALLOYS			
VEHICLE			METALLIC COATINGS			
SOLVENTS			FILLER METAL PLUS COATING OR CORE FLUX			
ADDITIVES			OTHERS			
OTHERS	1.					
44.54.55.54.5	لبل					
HAZARDOUS MIXTURES OF OTHER LIQUIDS, SOLIDS, OR GASES					TLV (Units)	
Heavy Aliphatic (Petroleum) Naphtha					200 p	
Tributy! Phosphate					5 ppn	
Carbitol Acetate					None	
				4	Assig	
					L	
	TION	1 III - P	HYSICAL DATA			
BOILING POINT (°F.)	4:	700F IBI	SPECIFIC GRAVITY (H2O=1)	T	2.04	
VAPOR PRESSURE (mm Hg.)	4 %	mm	PERCENT, VOLATUE		0.94	
VAPOR DENSITY (AIR=1)	 a	1000E	BY VOLUME (%) EVAPORATION RATE	4-	20%	
504 11814 1824 10 10 10 10 10 10 10 10 10 10 10 10 10	1	nknown	(=1)		N/A	
SOLUBILITY IN WATER Emulsifiable	but	Insolub	و النال	1/2	<u> </u>	
APPEARANCE AND ODOR VISCOUS gree					ζ,	
SECTION IV -	FIRE	AND E	XPLOSION HAZARD DATA		¥	
PLASH POINT (Method used)			FLAMMABLE LIMITS LOS	<u>.</u>	116	
EXTINGUISHING MEDIA	losec	LCup_	None		Uel	
FECIAL FIRE FIGHTING PROCEDURES				•	131	
THE FIGHTING PROCEDURES	Non	e		· ,		
				1179	3/	
UNUSUAL FIRE AND EXPLOSION HAZARDS						

PAGE (1)

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Form OSHA-20

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•	S	ECTION V · HEALTH HAZARD DATA				
THRESHOLD LIMIT VALUE						
EFFECTS OF OVEREXPOSURE						
Dizziness, drausiness, nausea. Irritating to skin. Moderately irritating to eyes. EMERGENCY AND FIRST AID PROCEDURES						
Remove to fresh air. Wash off skin promptly with soap and water. If in eyes, rinse copiously with water.						
SECTION VI - REACTIVITY DATA						
STABILITY	UNSTABLE	CONDITIONS TO AVOID				
	STABLE					
INCOMPATABILITY						
May dissolve or soften rubber, plastics and organic coatings						
INONE						
HAZARDOUS POLYMERIZATION	MAY OCCUI	CONDITIONS TO AVOID				
	WILL NOT	occur X				
SECTION VII COUL OR LEAVE DECEMBER						
SECTION VII - SPILL OR LEAK PROCEDURES STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED						
Soak up with absorbent compounds and sweep up. Can be flushed away with water spray.						
No smoking. WASTE DISPOSAL METHOD						
and the state of the						
Material is combustable, can be burned, or else treat as oily waste. Not a hazardous waste.						
SECTION VIII COROLLA DECENIONALIZATION						
SECTION VIII - SPECIAL PROTECTION INFORMATION RESPIRATORY PROTECTION (Specify type)						
	LOCAL EXHAUST	lyone				
VENTILATION		Spray Booth if sprayed				
BROTECTIVE OF OVE	MECHANICAL (Gei	OTHER CONTRACTOR OF THE PROPERTY OF THE PROPER				
PROTECTIVE GLOVES Neoprene gloves if exposure is unavoidable None						
OTHER PROTECTIVE EQUIPMENT . None						
SECTION IX - SPECIAL PRECAUTIONS						
PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING						
Store in dry	place, away fro	om heat sources.				
other precautions ZL-54 exerts drying action on skin, leading to irritation. Wipe off promptly.						
	Remove saturated clothing.					

PAGE (2)

Form OSHA-20 Rov. May 72